GEOGRAPHY

The environmental and spatial science of geography examines both physical and cultural landscapes across the Earth. As a spatial science, physical and cultural location and patterns on Earth’s surface are central to the study of geography. It includes the study of all forces of nature and the consequences of those forces, with an emphasis on human-environment interactions.

Specifically, geography integrates multiple natural and social sciences and includes: the nature and interactions of the atmosphere and the land, plants and animals, the Earth’s waters, weather, climate, the Earth’s dynamic surface, landsforms and soil, and the way people have inhabited and altered the Earth by creating various forms of agriculture, language, religion, and cities.

Courses in geography fulfill the science and social sciences requirement for the associate degree, prepare the students for majoring in geography at a four-year institution, and supplement other studies for students interested in careers in environmental studies, education, engineering, urban planning, and architecture. Students planning to transfer to a four-year institution as a geography major should consult with a counselor regarding the transfer process and lower division requirements.

Contact Information
Division: Science (PS - 148)
Division Phone Number: (909) 384-8645
Faculty Chairs: Todd Heibel (theibel@sbcccd.edu), Ph.D. and Matthew Robles (mrobles@sbcccd.edu), M.S.

- Geography Associate of Arts Transfer Degree (http://catalog.valleycollege.edu/degree-certificate-program-index/geography/geography-aat-degree/)
- Geography Associate of Science Degree (http://catalog.valleycollege.edu/degree-certificate-program-index/geography/geography-as-degree/)

GEOG 100 3 Units
Map Interpretation and Geospatial Analysis
Lecture: 36 contact hours
Lab: 54 contact hours
Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process. This class is an introduction to maps, images and geospatial techniques and technologies. The technologies covered in this course include map and aerial photograph interpretation, tabular data, spatial statistics, cartography, Global Positioning Systems (GPS), Internet mapping, remote sensing and Geographic Information Systems (GIS), all of which aid in data collection, analysis and presentation. (This course is also offered as GIS 100).

Associate Degree Applicable
Transfers to CSU only
C-ID: GEOG 150

GEOG 102 3 Units
Cultural Geography
Lecture: 54 contact hours
Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process and MATH 952 or MATH 962 or eligibility for MATH 090 as determined by the SBVC assessment process. This course provides an introduction to the interrelationship between people and the environment. It includes population trends, regional analyses, and livelihood patterns. There is an emphasis on historical development, diffusion of agriculture, languages, religions, and urban development.

Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOG 120

GEOG 106 3 Units
Geographic Perspectives on the Environment
Lecture: 54 contact hours
Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process and MATH 952 or MATH 962 or eligibility for MATH 090 as determined by the SBVC assessment process. This course provides an introductory study of the latest geographic perspectives of critical environmental issues occurring within and across local, regional, national, and global scales. It creates an awareness of the geography of human-environment relationships, in particular how nature and natural resources are defined, contested, distributed, and consumed. Emphasis is on social, political, cultural, psychological, and economic evaluation of natural resources and associated resource management.

Associate Degree Applicable
Transfers to both UC/CSU
GEOG 110 3 Units
Physical Geography
Lecture: 54 contact hours
Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process. Within a human-environment framework, students will review basic physical elements of geography, with emphasis on weather, climate, water, soil, landsforms, native animal life and natural vegetation, and their interrelationships and patterns of distribution on a worldwide basis. GEOG 111/GEOG 111H is strongly recommended for students who desire to transfer to CSU/UC. It is recommended that students complete GEOG 111/GEOG 111H within three years of completing GEOG 110.

Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOG 110

GEOG 111 1 Unit
Physical Geography Laboratory
Lab: 54 contact hours
Prerequisite/Corequisite: GEOG 110
This is the laboratory companion for the GEOG 110 physical geography lecture course. This course is recommended for students concurrently enrolled in GEOG 110 or who have successfully completed the course within last three years. Students will apply lecture principles to in-class, hands-on, and field exercises. Students should be prepared to participate in one or more off-campus field exercises.

Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOG 111
GEOG 111H 1 Unit
Physical Geography Laboratory - Honors
Lab: 54 contact hours
Prerequisite/Corequisite: GEOG 110
This is the laboratory companion for the GEOG 110 physical geography lecture course. This course is recommended for students concurrently enrolled in GEOG 110 or who have successfully completed the course within last three years. Students will apply lecture principles to in-class, hands-on, and field exercises. Students should be prepared to participate in one or more off-campus field exercises. This course is intended for students in the Honors Program but is open to all students who desire more challenging coursework.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOG 111

GEOG 114 4 Units
Weather and Climate
Lecture: 54 contact hours
Lab: 54 contact hours
Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process and MATH 952 or MATH 962 or eligibility for MATH 090 as determined by the SBVC assessment process.
This course covers Earth’s atmospheric phenomena, with special reference to causes and regional distribution of weather and climate, both past and present. Topics include atmospheric structure and composition, solar radiation and energy balances, temperature, seasonal changes, atmospheric moisture, clouds and fog, precipitation, air pressure, winds, air masses and fronts, cyclones, weather forecasting, climate, and climate change. Emphasis will be given to current environmental topics, including natural and anthropogenic global climate change, air pollution, and global dimming.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOG 110

GEOG 120 3 Units
World Regional Geography
Lecture: 54 contact hours
Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process. MATH 952 or MATH 962 or eligibility for MATH 090 as determined by the SBVC assessment process.
This course provides an introduction to world regional geography, emphasizing the nature of major cultural regions of the world. Through a comprehensive regional analysis, students will learn social structures, religions, languages, political systems, economics, environmental relationships, transportation networks, population dynamics, and urban development across the globe.
Associate Degree Applicable
Transfers to both UC/CSU
C-ID: GEOG 125

GEOG 130 3 Units
Introduction to Geographic Information Systems (GIS)
Lecture: 36 contact hours
Lab: 54 contact hours
Advisory: ENGL 015 or eligibility for ENGL 101 or ENGL 101H as determined by the SBVC assessment process and MATH 942.
This course provides an introduction to the fundamentals of Geographic Information Systems (GIS), including the history of automated mapping. The course includes a brief introduction to basic cartographic principles, including map scales, coordinate systems and map projections. GIS hardware and software are explored, as are various applications of GIS technology used in environmental science, business and government. (This course is also offered as GIS 130)
Associate Degree Applicable
Transfers to both UC/CSU

GEOG 222 1-3 Units
Independent Study in Geography
DIR: 54 contact hours
Students with previous course work in Geography may do assigned projects involving research and analysis of selected topics. This independent study is for students who are interested in furthering their knowledge of Geography. Prior to registration, a written contract must be prepared jointly by the instructor and the student.
Associate Degree Applicable
Transfers to CSU only

C-ID: GEOG 140